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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/017,923	10/30/2001	Keicy K. Chung	264/031	7533
167	7590	06/16/2005	EXAMINER JAROENCHONWANIT, BUNJOB	
FULBRIGHT AND JAWORSKI L L P PATENT DOCKETING 29TH FLOOR 865 SOUTH FIGUEROA STREET LOS ANGELES, CA 900172576			ART UNIT 2143	PAPER NUMBER

DATE MAILED: 06/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/017,923	CHUNG, KEICY K.	
	Examiner	Art Unit	
	Bunjob Jaroenchonwanit	2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 16 March 2005.
 2a) This action is FINAL. 2b) This action is non-final.
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-10 is/are pending in the application.
 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
 5) Claim(s) _____ is/are allowed.
 6) Claim(s) 1-10 is/are rejected.
 7) Claim(s) _____ is/are objected to.
 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
 10) The drawing(s) filed on 30 October 2001 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 03/21/05 has been entered.
2. In response to the amendment filed 3/21/05, claims 1-10 are pending for examination. Newly rejection cited are as stated below.
3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
4. Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable under Yang (US 2004/0267902) and Lakritz (US 6,623,529).
5. Regarding claims 1, 4, 7 , 8 and 10, Yang discloses a storage device, comprising a processor localized to a computer (processor 46, Fig. 2);
a computer interface connected to the process, wherein interface is adapted to enable communications exclusively between the computer and the processor, the processor has read write access to the storage means (Host 1 exclusively communicates with processor 46 via SCSI interface 40, Fig. 2);

a network interface communicably connected to the processor to enable the processor to communicate with a remote file server, wherein the processor is adapted to employ the network interface for communications exclusively with the remote file server (processor 46 connected to Ethernet interface to TCP/IP network, Fig. 2); and a storage means connected to the processor (storage 54 connected to processor 46, Fig. 2).

Yang expresses same system architecture for caching data from IP network to reduce unnecessary network traffic (paragraph 9) and suggests its' processor is capable of determining, upon receipt a file request, whether the file is in cache, if it is then provide it to the requestor. If the file is not in its' cache then forwards the request to a remote server in a network (paragraph 40).

Yang does not explicitly disclose type of file is read only or else and sending notification or file unavailable messages, if cannot obtain the file from anywhere.

However, in the same field of endeavor, Lakritz discloses an analogous system for analogous objective that is to minimize network traffic. Lakritz's teaching includes a process of determining whether a file is in cache storage, if not, requests from a remote file server and caches the file prior to send to the requestor (Fig. 3). Further, Lakritz also teaches a process of notifying client if the requested file does not exist (Fig. 10, Col. 36, lines. 57-60). Furthermore, Lakritz specifically deals with caching web page, which is a type of read-only file.

Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made that to combine teaching of Lakritz's processes with Yang's invention, to improve efficiency and responsive to users' requests in order to minimize network traffic in Internet networking.

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6. Claims 2 and 5, Yang-Lakritz discloses does not explicitly disclose the host includes network interface. Official Notice is taken (see MPEP 2144.03) network interface was notoriously well known in the art at the time of the invention was made. Nearly most of the computer sold in 2001 has readily equipped with network interface, to allow user to connect to Internet. Thus, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include network interface with a computer, if it has not done so, because it would expand computer's utility and be attractive to buyers..

7. Claims 3 and 6, Yang-Lakritz discloses random access media (Yang, Fig. 2, RAM 48). \

8. Claim 9, Yang-Lakritz discloses deleting cache content (Yang, paragraph 37).

9.

10. Applicant's arguments with respect to claims 1-10 have been considered but are moot in view of the new ground(s) of rejection.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bunjob Jaroenchonwanit whose telephone number is (571) 272-3913. The examiner can normally be reached on 8:00-17:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (571) 272-3923.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained

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from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Bunjob Jaroenchonwanit
Primary Examiner
Art Unit 2143

/bj
6/1/05